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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/065,646 11/05/2002 Ching-Yu Chang JCLA9503 5979 23900 7590 10/18/2004 EXAMINER J C PATENTS, INC. DEO, DUY VU NGUYEN 4 VENTURE, SÚITE 250 IRVINE, CA 92618 ART UNIT PAPER NUMBER 1765

DATE MAILED: 10/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary The MAILING DATE of this communication appeared for Reply	LY IS SET TO EXPIRE <u>3</u> MONTH(į	
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A SHORTENED STATUTORY PERIOD FOR REPI THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a report of the period for reply specified above, the maximum statutory period from the period for reply will, by statuted the period for reply will be period for reply will, by statuted the period for reply will be period for reply w	136(a). In no event, however, may a reply be timely within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from e. cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133)	
Status			
1) Responsive to communication(s) filed on 05 I	November 2002.		
2a) This action is FINAL. 2b) ☐ This	s action is non-final.		
3) Since this application is in condition for allowa	ance except for formal matters, pro	secution as to the merits is	
closed in accordance with the practice under	<i>Ex parte Quayle</i> , 1935 C.D. 11, 45	63 O.G. 213.	
Disposition of Claims		•	
4)⊠ Claim(s) <u>1-28</u> is/are pending in the application	1.		
4a) Of the above claim(s) is/are withdra			
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>24-28</u> is/are rejected.			
7)⊠ Claim(s) <u>1-23</u> is/are objected to.			
8) Claim(s) are subject to restriction and/o	or election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examine	ar		
10)⊠ The drawing(s) filed on <u>05 November 2002</u> is/s		ed to by the Examiner	
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correct	<u>- ` '</u>	, , ,	
11)☐ The oath or declaration is objected to by the E			
Priority under 35 U.S.C. § 119		·	
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Burea	s have been received. Is have been received in Application rity documents have been received.	on No	
* See the attached detailed Office action for a list		1	
·	of the certified copies not received		
Attachment(s)			
Notice of References Cited (PTO-892)	4) Interview Summary (PTO-413)	
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 	Paper No(s)/Mail Dat 5) Notice of Informal Pa		
Paper No(s)/Mail Date	6) Other:	(F	

Application/Control Number: 10/065,646

Art Unit: 1765

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 24-28 are rejected under 35 U.S.C. 102(b) as being anticipated by Gocho et al. (US 5,498,565).

Gocho describes a method comprising: forming a SiN layer (claimed first sacrificial layer) over a substrate and etching the SiN using a photolithographic step (this would read on claimed of forming resist pattern on the first sacrificial layer and removing it) (col. 1, line 60-65; col. 10, line 47-50); forming a SiO2 layer (claimed second sacrificial layer) over the SiN (col. 10, line 51-68); removing a portion of the SiO2 by an etching back process until the SiN exposed (col. 11, line 25-30); forming a resist layer on the SiO2 and SiN layers (col. 11, line 1-3); removing the SiO2 not covered by the resist layer (col. 11, line 4-6).

The SiN and SiO2 have an etching selectivity (col. 11, line 8-10).

Claim Objections

3. Claims 1-23 are objected to because of the following informalities: claims 1 and 11 show the words "and" and "performing" as one word "andperforming." Appropriate correction is required.

Application/Control Number: 10/065,646

Art Unit: 1765

Allowable Subject Matter

Page 3

4. Claims 1-23 are allowable because applied prior art doesn't suggest or teach forming

conductive lines or wordline on the gate oxide and performing ion implantation to implant

dopants into the region not covered by the code mask, dielectric, and cap layer as mask.

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to DuyVu n Deo whose telephone number is 571-272-1462. The

examiner can normally be reached on 6:00-3:30; with alternate Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nadine Norton can be reached on 571-272-1465. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DVD

10/15/04

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